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PATENT COOPERATION TREATY From the INTERNATIONAL SEARCHING AUTHORITY **PCT** DAVID J. LEVY GLAXOSMITHKLINE CORPORATE INTELLECTUAL PROPERTY DEPT. WRITTEN OPINION OF THE **FIVE MOORE DRIVE, PO BOX 13398** INTERNATIONAL SEARCHING AUTHORITY RESEARCH TRIANGLE PARK, NC 27709 (PCT Rule 43bis.1) Date of mailing (day/month/year) FOR FURTHER ACTION Applicant's or agent's file reference See paragraph 2 below PR60418WO Priority date (day/month/year) International application No. International filing date (day/month/year) 23 July 2004 (23.07.2004) 29 July 2003 (29.07.2003) PCT/US04/23680 International Patent Classification (IPC) or both national classification and IPC IPC(7): A61K 31/416, 31/428, 31/42,31/4439,31/454,31/4709,31/496,31/497; C07D 231/56,401/12,403/12,413/12 and US Cl.: 514/405,367,337,314,322,278,254.06,252.11,234.5; 548/159,245,362.5; 546/275.7,171,199,20;544/371,357 Applicant SMITHKLINE BEECHAM CORPORATION 1. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Certain documents cited Box No. VI Certain defects in the international application Box No. VII Certain observations on the international application Box No. VIII 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

3. For further details, see notes to Form PCT/ISA/220.

For further options, see Form PCT/ISA/220.

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Authorized officer

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of

mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

Evelyn' Huang

703-308-1235 Telephone No

Form PCT/ISA/237 (cover sheet) (January 2004)

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Due Date: 03 JAN 2005 Recorded: N

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## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US04/23680

Box No. 1 Basis of this opinion	
<ol> <li>With regard to the language, this opinion has been established on the basis of the international application in the language in it was filed, unless otherwise indicated under this item.</li> </ol>	which
This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b))	<del></del> ,
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to claimed invention, this opinion has been established on the basis of:	the
a. type of material	
a sequence listing	
table(s) related to the sequence listing	
b. format of material	
in written format	
in computer readable form	
c. time of filing/furnishing	
contained in international application as filed.	
filed together with the international application in computer readable form.	
furnished subsequently to this Authority for the purposes of search.	
In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has be filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	een it in
4. Additional comments:	

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/23680

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. Statement				
Novelty (N)	Claims	1-44	YES	
novely (iv)		NONE	NO	
			YES	
Inventive step (IS)	Claims Claims		NO	
	Ciainis	NONE		
Industrial applicability (IA)	Claims	1-44	YES	
	Claims	NONE	NO	
2. Citations and explanations:  Claims 1-44 meet the criteria set out in PCT Article having a cyano and hydroxy corresponding to the wherein R3 and R4 are hydrogen or alkyl.  Claims 1-44 meet the criteria set out in PCT Article can be made or used in the pharmaceutical industry activity.	instant R3 and R	s finds industrial applicability b	pecause the subject matter claimed	

Form PCT/ISA/237 (Box No. V) (January 2004)